

10550728\_CLS1.txt  
Most frequently occurring classifications of patents returned  
from a search of 10550728 on Aug 07 , 2007

Original Classifications

3 712/23  
2 712/217  
2 428/40.1

Cross-Reference Classifications

5 712/E9.049  
5 712/218  
4 712/217  
4 712/E9.046  
4 712/215  
4 712/E9.047  
3 428/432  
3 428/426  
3 712/E9.025  
3 296/95.1  
3 257/E21.682  
3 712/E9.05  
3 712/E9.023  
2 359/580  
2 428/701  
2 428/433  
2 359/582  
2 359/359  
2 715/835  
2 715/840  
2 428/41.7  
2 428/202  
2 428/203  
2 428/40.1  
2 712/247  
2 712/235  
2 715/791  
2 715/807

Combined Classifications

6 712/217  
5 712/E9.049  
5 712/218  
4 712/23  
4 712/E9.046  
4 712/215  
4 428/40.1  
4 712/E9.047  
3 428/432  
3 428/426  
3 712/E9.025  
3 428/41.7  
3 296/95.1  
3 257/E21.682  
3 712/E9.05  
3 712/E9.023  
3 715/791  
3 715/807  
2 428/336  
2 359/580  
2 428/701  
2 428/433  
2 359/582

10550728\_CLS1.txt

2 359/359  
2 715/835  
2 715/840  
2 715/804  
2 710/300  
2 118/723MW  
2 428/202  
2 428/203  
2 428/41.8  
2 438/261  
2 438/264  
2 712/247  
2 712/235  
2 712/202

File 696:DIALOG Telecom. Newsletters 1995-2007/Aug 14  
 (c) 2007 Dialog  
 File 9:Business & Industry(R) Jul/1994-2007/Aug 07  
 (c) 2007 The Gale Group  
 File 15:ABI/Inform(R) 1971-2007/Aug 13  
 (c) 2007 ProQuest Info&Learning  
 File 484:Periodical Abs Plustext 1986-2007/Jul w5  
 (c) 2007 ProQuest  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc  
 File 613:PR Newswire 1999-2007/Aug 14  
 (c) 2007 PR Newswire Association Inc  
 File 635:Business Dateline(R) 1985-2007/Aug 11  
 (c) 2007 ProQuest Info&Learning  
 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business wire  
 File 610:Business Wire 1999-2007/Aug 14  
 (c) 2007 Business Wire.  
 File 369:New Scientist 1994-2007/Jul w5  
 (c) 2007 Reed Business Information Ltd.  
 File 370:Science 1996-1999/Jul w3  
 (c) 1999 AAAS  
 File 16:Gale Group PROMT(R) 1990-2007/Aug 13  
 (c) 2007 The Gale Group  
 File 47:Gale Group Magazine DB(TM) 1959-2007/Jul 31  
 (c) 2007 The Gale group  
 File 148:Gale Group Trade & Industry DB 1976-2007/Aug 08  
 (c) 2007 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2007/Jul 24  
 (c) 2007 The Gale Group  
 File 621:Gale Group New Prod. Annou. (R) 1985-2007/Aug 08  
 (c) 2007 The Gale Group  
 File 624:McGraw-Hill Publications 1985-2007/Aug 14  
 (c) 2007 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2007/Aug 11  
 (c) 2007 San Jose Mercury News  
 File 636:Gale Group Newsletter DB(TM) 1987-2007/Aug 10  
 (c) 2007 The Gale Group  
 File 647:CMP Computer Fulltext 1988-2007/Sep w2  
 (c) 2007 CMP Media, LLC  
 File 674:Computer News Fulltext 1989-2006/Sep w1  
 (c) 2006 IDG Communications

Set	Items	Description
S1	5018165	WINDOW? ? OR FRAME? ? OR PANEL? ? OR PANE OR PANES OR VIEW-PORT? ?
S2	0	S1(5N)AUTOGROUP?
S3	270929	S1(5N)(GROUP??? OR SET OR SETS OR BLOC OR BLOCS OR BLOCK? ? OR BUNDLE? ? OR COLLECTION? ? OR PACKAGE? ? OR BATCH? ? OR - CLUSTER? ? OR AGGROUP?)
S4	35395	S1(5N)(FAMILY? ? OR FAMILIES OR AGGREGAT? OR COLLECTIVE?)
S5	45260	S1(5N)(UNIT OR UNITS)
S6	10790201	STACK? OR TILING OR TILE OR TILES OR TILED OR OVERLAY? OR - OVERLAID OR OVER() (LAY??? OR LAID) OR LAYER??? OR SUBLAYER? OR TIER? ? OR STRATA? ? OR STRATUM? ? OR LEVEL?
S7	88689	MULTILEVEL? OR MULTISTACK? OR MULTILAYER? OR MULTITILE? OR MULTITIER? OR MULTISTRATA? OR MULTISTRATUM?
S8	3990318	SERIES
S9	9688282	ORDER??? OR HIERARCH? OR SEQUENT? OR SEQUENCE? ?
S10	206983	S8:S9(5N)S6:S7
S11	451	S10(S)S3:S5
S12	35071	S2:S5(5N)(ARRANG??? OR ARRANGEMENT? OR MANIPULAT? OR MANAG-??? OR MANAGEMENT? OR CONTROL???? OR ALIGN???? OR FORMATION?)

S13 6854 S2:S5(5N)(ORGANIZ? OR ORGANIS? OR DEPLOY? OR DISPOS??? OR -  
 DISPOSITION? OR CONFIGUR??? OR CONFIGURATION? ?)  
 S14 71 S11(100N)S12:S13  
 S15 163695 S9(5N)S6:S7  
 S16 73 S15(100N)S12:S13  
 S17 1671 S9(5N)S6:S7(5N)S1  
 S18 15 S17(100N)S12:S13  
 S19 30 S15(5N)S2:S5  
 S20 267292 S9(10N)S6:S7  
 S21 2514 S20(10N)S1  
 S22 16 S21(100N)S12:S13  
 S23 85713 S9(10N)S1  
 S24 2530 S23(10N)S6:S7  
 S25 16 S24(100N)S12:S13  
 S26 116 S10(100N)S12:S13  
 S27 168 S14 OR S16 OR S18:S19 OR S22 OR S25:S26  
 S28 137 S27 NOT PY=2004:2007  
 S29 90 RD (unique items)  
 S30 0 AU=(NADAMOTO Y? OR NADAMOTO, Y?)  
 ? t29/3,k/17,27,30,48,64,66,70,74

29/3,k/17 (Item 13 from file: 15)  
 DIALOG(R)File 15:ABI/Inform(R)  
 (c) 2007 ProQuest Info&Learning. All rts. reserv.

00921000 95-70392  
 The PC Corner  
 Qualls, John H  
 Business Economics v29n4 PP: 71-73 Oct 1994  
 ISSN: 0007-666X JRNL CODE: BEC  
 WORD COUNT: 2349

...TEXT: on boot-up: Word Processing, Spreadsheet, Main, Econometric  
 Programs, Graphics Programs, and Games. These six group windows are  
 organized in a " tiled " fashion, so that they do not overlap each other.  
 (In order to do this, open the program groups you want and click  
 Window Tile in the Program Manager .)

I have the most frequently used program icons in each program group visible  
 in the...

29/3,k/27 (Item 3 from file: 810)  
 DIALOG(R)File 810:Business Wire  
 (c) 1999 Business Wire . All rts. reserv.

0651317 BW0191

**MEDWEB: Medweb Plugin Turns Netscape Browser into a Medical Imaging  
 Workstation; Medweb Radiology Workstation Plugin Saves Hospitals  
 Millions of Dollars**

December 04, 1996

Byline: Business Editors & Health Writers

...C++, the Medweb Radiology Workstation Plugin  
 includes a number of real-time image viewing and manipulation tools  
 such as Window , Cine, Pan, Flip, Invert, Group By Series , Level ,  
 Zoom, Scroll, Rotate, Save As JPEG, and Group By Echo, to make it  
 easy for...

29/3,k/30 (Item 3 from file: 16)  
 DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2007 The Gale Group. All rts. reserv.

06264414 Supplier Number: 54352624 (USE FORMAT 7 FOR FULLTEXT)  
A Notes-Worthy Release -- Release 5 Of Lotus' Notes And Domino Offers  
Enterprise-Ready Administration And Great New Uses, But The Promise Of A  
Universal Client Goes Unfulfilled.(Software Review)(Evaluation)  
Gillmor, Steve; Angus, Jeff  
InformationWeek, p69(1)  
April 12, 1999  
Language: English Record Type: Fulltext  
Article Type: Evaluation  
Document Type: Magazine/Journal; Tabloid; General Trade  
Word Count: 3468

... embed them in the new Page object to create different styles as  
part of a frame set . Outline types can be configured either at design  
time or dynamically on the fly. Tree style lets you display a nested  
hierarchy of links, while the Flat setting creates context-sensitive menus  
that reveal one level of the hierarchy at a time. Multiple outlines are  
allowed, in which Notes views can be embedded only...

29/3,K/48 (Item 8 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2007 The Gale group. All rts. reserv.

04149616 SUPPLIER NUMBER: 16339014 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The PC corner. (Windows 3.1 program)  
Qualls, John H.  
Business Economics, v29, n4, p71(3)  
Oct, 1994  
ISSN: 0007-666X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2479 LINE COUNT: 00176

... on boot-up: Word Processing, Spreadsheet, Main, Econometric  
Programs, Graphics Programs, and Games. These six group windows are  
organized in a " tiled " fashion, so that they do not overlap each other.  
(In order to do this, open the program groups you want and click  
Window Tile in the Program Manager .)

I have the most frequently used program icons in each program group  
visible in the...

29/3,K/64 (Item 12 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2007 The Gale Group. All rts. reserv.

05825037 SUPPLIER NUMBER: 11990328 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Extra. (new products and trends in the computer industry) (PC User News)  
PC User, n179, p15(6)  
Feb 26, 1992  
ISSN: 0263-5720 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 921 LINE COUNT: 00072

... Distribution has released AutoLAYER, an AutoCAD layer management  
utility costing 185 pounds sterling. AutoLAYER stores layers in a  
hierarchical group format and provides a windows -style visual  
interface.

\* Network General has announced the first distributed analysis system  
for Novell NetWare...

29/3,K/66 (Item 14 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2007 The Gale Group. All rts. reserv.

04896816 SUPPLIER NUMBER: 09840671 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Parallel processing pushes performance of layout-rules checker. (Integrated  
Silicon Systems Inc.'s LRC2000 layout-rules-checking software) (product  
announcement)

Markowitz, Michael C.

EDN, v35, n25, p60(1)

Dec 6, 1990

DOCUMENT TYPE: product announcement ISSN: 0012-7515 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 318 LINE COUNT: 00026

... undersizing on the hierarchical data. The software lets you mask  
structures, evaluate data in multiple windows, set the number of  
hierarchical levels to check, and flag non-45[degrees] elements. To  
eliminate redundant checks and false-error...

29/3,K/70 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2007 The Gale Group. All rts. reserv.

01459269 SUPPLIER NUMBER: 11475894 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Migration from ASCII to X. (overview of effects of moving from ASCII to  
X-windows terminals) (Tutorial)

Thareja, Ashok K.; Ramachandran, Sridhar

UNIX Review, v9, n11, p35(4)

Nov, 1991

DOCUMENT TYPE: Tutorial ISSN: 0742-3136 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2427 LINE COUNT: 00198

... servers. Multiple applications can be active at the same time on a  
single server, each controlling a set of windows. User input is  
distributed among applications by a set of protocol messages.  
Features of X...

...and the server reside on different machines, communication can take  
place over any network transport layer that provides reliable, in-order  
delivery of data in both directions. TCP (in the Internet protocol family)  
and DECnet streams...

29/3,K/74 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2007 The Gale Group. All rts. reserv.

01243598 Supplier Number: 44408237 (USE FORMAT 007 FOR FULLTEXT)  
Hypersignal for windows Block Diagram Enhanced with Real-Time Support  
News Release, pN/A

Feb 1, 1994

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 648

... engineering time.

Hypersignal for windows Block Diagram is a visually  
programmed object-oriented simulation software package which runs  
under Windows 3.1. By arranging and connecting signal processing  
blocks, signal processing algorithms can be designed, adjusted, and  
easily tested...

...the block diagram

for debugging and optimization of algorithms.

The block diagram supports true multi-level hierarchical

design for complex algorithms, where each level of the hierarchy  
can be displayed as a single block icon. You can create your own blocks  
with...

File 347:JAPIO Dec 1976-2007/Mar(Updated 070809)

(c) 2007 JPO & JAPIO

File 350:Derwent WPIX 1963-2007/UD=200751

(c) 2007 The Thomson Corporation

Set	Items	Description
S1	1961357	WINDOW? ? OR FRAME? ? OR PANEL? ? OR PANE OR PANES OR VIEW-PORT? ?
S2	0	S1(5N)AUTOGROUP?
S3	105765	S1(5N)(GROUP??? OR SET OR SETS OR BLOC OR BLOCS OR BLOCK? ? OR BUNDLE? ? OR COLLECTION? ? OR PACKAGE? ? OR BATCH? ? OR - CLUSTER? ? OR AGGROUPE?)
S4	1995	S1(5N)(FAMILY? ? OR FAMILIES OR AGGREGAT? OR COLLECTIVE?)
S5	101606	S1(5N)(UNIT OR UNITS)
S6	3684609	STACK? OR TILING OR TILE OR TILES OR TILED OR OVERLAY? OR - OVERLAID OR OVER() (LAY??? OR LAID) OR LAYER??? OR SUBLAYER? OR TIER? ? OR STRATA? ? OR STRATUM? ? OR LEVEL?
S7	144826	MULTILEVEL? OR MULTISTACK? OR MULTILAYER? OR MULTITILE? OR MULTITIER? OR MULTISTRATA? OR MULTISTRATUM?
S8	511294	SERIES
S9	1636793	ORDER??? OR HIERARCH? OR SEQUENT? OR SEQUENCE? ?
S10	128348	S8:S9(5N)S6:S7
S11	1158	S10 AND S3:S5
S12	23897	S2:S5(5N)(ARRANG??? OR ARRANGEMENT? OR MANIPULAT? OR MANAG- ??? OR CONTROL???? OR ALIGN???? OR FORMATION?)
S13	5022	S2:S5(5N)(ORGANIZ? OR ORGANIS? OR DEPLOY? OR DISPOS??? OR - CONFIGUR??? OR CONFIGURATION? ?)
S14	183	S11 AND S12:S13
S15	115489	S9(5N)S6:S7
S16	160	S15 AND S12:S13
S17	8	S16 AND S8
S18	2772	S9(5N)S6:S7(5N)S1
S19	127	S15(5N)S2:S5
S20	7	S19 AND S8
S21	14	S17 OR S20
S22	4074	IC=G06F-0003/14
S23	30295	IC=G06F-003/14
S24	1000	IC=G09G-0005/14
S25	3948	IC=G09G-005/14
S26	2870	IC=G06F-0009/00
S27	8408	IC=G06F-009/00
S28	8659	IC=G06F-0003/00
S29	50722	IC=G06F-003/00
S30	22	(S14 OR S16 OR S19) AND S22:S29
S31	14975	MC=T01-C04
S32	5985	MC=T01-J12B1
S33	25092	MC=T01-M06A1A
S34	6305	MC=T04-H01
S35	15286	MC=T04-H03C2
S36	3991	MC=W01-C01B3
S37	82191	MC=W01-C01D3C
S38	1056	MC=W01-C01Q
S39	17	(S14 OR S16 OR S19) AND S31:S38
S40	29	(S30 OR S39) NOT S21
S41	10	S40 AND AC=US/PR AND AY=(1963:2003)/PR
S42	19	S40 AND AC=US AND AY=1963:2003
S43	19	S40 AND AC=US AND AY=(1963:2003)/PR
S44	21	S40 AND PY=1963:2003
S45	24	S41:S44

45/9/1 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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06386085      \*\*Image available\*\*

DEVICE AND METHOD FOR MULTIWINDOW DISPLAY AND COMPUTER READABLE RECORDING  
MEDIUM RECORDED WITH PROGRAM MAKING COMPUTER EXECUTE THE METHOD

PUB. NO.: 11-327731 [JP 11327731 A]  
PUBLISHED: November 30, 1999 ( 19991130)  
INVENTOR(s): YOSHIO EMIKO  
KOIZUMI SO  
APPLICANT(s): JUST SYST CORP  
APPL. NO.: 10-131845 [JP 98131845]  
FILED: May 14, 1998 (19980514)  
INTL CLASS: G06F-003/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable an operator to set overlap state of a desired window by displaying it by fixing hierarchical order of the window in a multiwindow display device for displaying plural windows piled up on the same screen.

SOLUTION: This device is equipped with a display part 201 for displaying plural piled up windows on the same screen, a window specification part 202 for specifying a desired window out of the displayed plural windows, a hierarchy order set part 203 for setting a hierarchy order in which layer a specified window is displayed in a direction of a rear side from a window displayed in a front most side or in which layer it is displayed in the direction of front side from the window displayed in the rear most side, and a display control part 204 for normally displaying the specified window by a set hierarchy order.

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? t45/69,k/19-22

45/69,k/19 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0007413434 - Drawing available  
WPI ACC NO: 1996-020719/ 199602  
XRPX ACC No: N1996-017198

Menu management method for graphical, event driven computer system - involves representing menus as windows with menu layer holding menus and detecting events occurring with respect to menu layer to vary menu display  
Patent Assignee: APPLE COMPUTER INC (APPY)  
Inventor: CLIFFORD D K; CRAYCROFT T J

Patent Family (4 patents, 62 countries)  
Patent Application

Number	Kind	Date	Number	Kind	Date	Update
WO 1995032469	A2	19951130	WO 1995US6021	A	19950515	199602 B
AU 199525144	A	19951218	AU 199525144	A	19950515	199611 E
WO 1995032469	A3	19951214	WO 1995US6021	A	19950515	199622 E
US 5627960	A	19970506	US 1994242674	A	19940513	199724 E
			US 1996610518	A	19960304	

Priority Applications (no., kind, date): US 1996610518 A 19960304; US 1994242674 A 19940513

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1995032469	A2	EN	23	7	

National Designated States,Original: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ UG

AU 199525144      A    EN                      Based on OPI patent    WO 1995032469  
WO 1995032469      A3   EN  
US 5627960        A    EN        12     7   Continuation of application    US  
1994242674

#### Alerting Abstract WO A2

The method includes transforming all menus into windows and grouping them into a single menu layer for each application. Each application has its own menu layer that is shown and hidden as the application moves to the foreground and background, tear-off menus being hidden and shown with the menu layer generating a desirable "floating-window" behaviour.

Menus are managed in a graphical event-driven computer system having a computer display, by representing the menu layer as windows, providing a menu layer for containing menus of a computer programme. Events occurring with respect to the menu layer are detected, in response to which the display of the menu is varied.

ADVANTAGE - Provides mechanism that explicitly supports tear-off menus in efficient way. Requires minimum of application involvement.

Title Terms/Index Terms/Additional words: MENU; MANAGEMENT; METHOD;  
GRAPHICAL; EVENT; DRIVE; COMPUTER; SYSTEM; REPRESENT; WINDOW; LAYER; HOLD  
; DETECT; OCCUR; RESPECT; VARY; DISPLAY

#### Class Codes

International Classification (Main): G06F-003/14 , G06F-009/44  
US Classification, Issued: 395352000, 395356000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05C; T01-J12B

#### Class Codes

International Classification (Main): G06F-003/14 ...

#### Original Publication Data by Authority

#### Original Abstracts:

...transparent. All menus are transformed into windows and grouped in a single menu layer for each application, greatly simplifying many of the complexities of navigating through hierarchical and tear-off menus. Each application has its own menu layer that is shown and...

Basic Derwent Week: 199602

45/69,K/20            (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2007 The Thomson Corporation. All rts. reserv.

0007278350

WPI ACC NO: 1995-336679/ 199543

XRPX ACC No: N1995-252492

Object-oriented positional event targetting system - uses application programs to generate views on display screen of computer system

Patent Assignee: TALIGENT INC (TALI-N)

Inventor: BERDAHL E M; ORTON D L

Patent Family (3 patents, 46 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1995018438	A1	19950706	WO 1994US10252	A	19940912	199543	B
AU 199478333	A	19950717	AU 199478333	A	19940912	199544	E
US 5615326	A	19970325	US 1993175910	A	19931230	199718	E

Priority Applications (no., kind, date): US 1993175910 A 19931230

## Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
WO 1995018438	A1	EN	49	21		
National Designated States,Original: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN						
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE						
AU 199478333	A	EN			Based on OPI patent	WO 1995018438
US 5615326	A	EN	34	21		

### Alerting Abstract WO A1

The apparatus has a screen buffer having a number of screen information storage areas. A processor is controlled by the application programs for storage of the screen areas. An operating system cooperates with the processor for control of the display. A window manager object has a shared data area and responds to a change in storage size area by changing the size of another area. A view framework groups the number of views in one or more windows.

A layer object in the view framework stores linkages to the number of views in one or more windows.

USE - For managing drawing areas in display area of graphic user interface.

Title Terms/Index Terms/Additional words: OBJECT; ORIENT; POSITION; EVENT; TARGET; SYSTEM; APPLY; PROGRAM; GENERATE; VIEW; DISPLAY; SCREEN; COMPUTER Class Codes

International Classification (Main): G06F-003/14 , G09G-005/14  
US Classification, Issued: 395356000, 395326000

File Segment: EngPI; EPI;

DWPI Class: T01; P85

Manual Codes (EPI/S-X): T01-F07; T01-J12B

### Class Codes

International Classification (Main): G06F-003/14 ...

... G09G-005/14

### Original Publication Data by Authority

### Original Abstracts:

A view system provides an extensible mechanism for associating a logical set of windows and manipulating them as a unit. For example, operations can be applied across address spaces to all the members of the group. A group is...

...to each view in the group in a layer object. The layer object, in turn, can be inserted into a data hierarchy structure in a hierarchy object. The data hierarchy structure defines front to back display levels on a display and defines which windows overlap. Since all the members of the group are in the same layer object, they move to different levels as a group. Polymorphism...

...A view system is disclosed which provides an extensible mechanism for grouping two or more windows and manipulating them as a group. The groups provide logical sets of windows for applying operations across address spaces to all the members of the group. The mechanism is implemented as a layer object which includes the linkages to the windows. Polymorphism and extensibility is also provided as part of the object-oriented architecture of the...

### Claims:

...application programs;(e) hierarchy object means having a data hierarchy structure for defining a frontmost display level to a rearmost display level of views and means responsive to a user request to reorder the

display hierarchy for reordering data in the data hierarchy structure to change display levels of the views;(f) grouping means for storing identifiers for a set of the views in the memory to form a group and for inserting the group...

...data hierarchy structure so that each of the set of views in the group has the same display level ;(g) view system means, cooperating with the hierarchy object means and responsive to user requests to change a view, for maintaining a visible area definition for each of the...  
Basic Derwent Week: 199543

45/69,K/21 (Item 19 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0007061842 - Drawing available  
WPI ACC NO: 1995-084086/ 199512  
Related WPI ACC No: 1999-044828  
XRPX ACC No: N1995-066704

Multicasting window events to a plurality of existing applications for concurrent execution - senses user window events and controls and distributes user window events to graphical user interfaces of selected program applications for concurrent execution

Patent Assignee: HEWLETT-PACKARD CO (HEWP)

Inventor: HAO M C; KARP A H; SINGH V

Patent Family (4 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
GB 2281423	A	19950301	GB 199417180	A	19940825	199512	B
DE 4417588	A1	19950302	DE 4417588	A	19940519	199514	E
US 5742778	A	19980421	US 1993113790	A	19930830	199823	E
			US 1996602386	A	19960216		
GB 2281423	B	19980617	GB 199417180	A	19940825	199826	E

Priority Applications (no., kind, date): US 1996602386 A 19960216; US 1993113790 A 19930830

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
GB 2281423	A	EN	32	8	
DE 4417588	A1	DE	18	8	
US 5742778	A	EN	16		Continuation of application US 1993113790

#### Alerting Abstract GB A

The multi-layered graphical user interface enables window events to be multicast to sequential or distributed application programs includes one or more windows (314, 316, 318) for each of several application programs (304, 308, 312) which are active, a concurrency control window (320) for receiving window events to be multicast to more than one of the application windows, and an event sense and distribution procedure (322) for ordering, grouping and multicasting the window events received by the concurrency control window to a set of the application windows for substantially concurrent processing.

The program applications can reside on either a user's local computer (300) or on remote computers (302, 306, 310) which are connected to the user's computer via a network, or one some combination of local and remote. The existing source code of the program applications need not be relinked or recompiled.

USE/ADVANTAGE - Multicasting window events to selected application windows for concurrent initiation of operations in distributed or multi-tasking environment.

Title Terms/Index Terms/Additional Words: WINDOW; EVENT; PLURAL; EXIST;

APPLY; CONCURRENT; EXECUTE; SENSE; USER; CONTROL; DISTRIBUTE; GRAPHICAL;  
INTERFACE; SELECT; PROGRAM

#### Class Codes

International Classification (Main): G06F-003/14 , G06F-003/153,  
G06F-009/46

(Additional/Secondary): G06F-003/02

US Classification, Issued: 395332000, 395346000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-C03; T01-F02A; T01-J12B; T01-S

Alerting Abstract ...one of the application windows, and an event sense and distribution procedure (322) for ordering, grouping and multicasting the window events received by the concurrency control window to a set of the application windows for substantially concurrent processing ...

#### Class Codes

International Classification (Main): G06F-003/14 ...

#### Original Publication Data by Authority

#### Claims:

...than one of the application windows, and an event sense and distribution procedure (322) for ordering, grouping and multicasting the window events received by the concurrency control window to a set of the application windows for substantially concurrent processing...

... The program applications can reside on either a user's local computer (300) or on remote computers (302, 306, 310) which are connected to the user'sBasic Derwent Week: 199512

45/69,K/22 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0006865335 - Drawing available

WPI ACC NO: 1994-255603/ 199431

Related WPI Acc No: 1997-280619

XRPX ACC No: N1994-201283

Computer displays providing images with different gray scale levels - includes modulator, operable over sequential frames, for modulating data values of pixels with patterns whereby intensity level of pixels over sequential frames is controlled as function of data value of pixels and as function of patterns

Patent Assignee: VADEM CORP (VADE-N)

Inventor: FUNG H T; TSANG S K; WOODWARD R A

Patent Family (1 patents, 1 countries)

Patent

Number

Kind

Date

Application

Number

Kind

Date

Update

US 5337408

A

19940809

US 1991744710

A

19910809

199431

B

US 1991815928

A

19911230

Priority Applications (no., kind, date): US 1991744710 A 19910809; US 1991815928 A 19911230

#### Patent Details

Number

Kind

Lan

Pg

Dwg

Filing Notes

US 5337408

A

EN

26

22

C-I-P of application US 1991744710

Alerting Abstract US A

The display controller includes a frame for establishing a number of sequential frames as a frame set. A data unit provides the data value of each of the pixels in the array to define the image. A pattern unit provides modulation patterns, the patterns including patterns each formed of sequences of different numbers of both 1's and 0's that are not phase related.

A modulator is operable over the number of sequential frames, for modulating the data values of pixels with the patterns whereby the intensity level of the pixels over the number of sequential frames is controlled as a function of the data value of the pixels and as a function of the patterns.

ADVANTAGE - Minimises flicker.

Title Terms/Index Terms/Additional Words: COMPUTER; DISPLAY; IMAGE; GRAY; SCALE; LEVEL; MODULATE; OPERATE; SEQUENCE; FRAME; DATA; VALUE; PIXEL; PATTERN; INTENSITY; CONTROL; FUNCTION

#### Class Codes

International Classification (Main): G06F-003/00

US Classification, Issued: 395162000, 395118000, 345010000, 345112000, 345149000

File Segment: EPI;

DWPI Class: T01; T04

Manual Codes (EPI/S-X): T01-J10X; T04-X

...modulator, operable over sequential frames, for modulating data values of pixels with patterns whereby intensity level of pixels over sequential frames is controlled as function of data value of pixels and as function of patterns

Alerting Abstract ...The display controller includes a frame for establishing a number of sequential frames as a frame set. A data unit provides the data value of each of the pixels in the array to define the...

#### Class Codes

International Classification (Main): G06F-003/00

#### Original Publication Data by Authority

#### Original Abstracts:

...numbers of both 1's and 0's that are not phase related. The display controller additionally includes a modulation unit, operable over the sequential frames, for modulating the data values of pixels with the patterns whereby the intensity level of the pixels over the sequential frames is controlled as a function of the data value of the pixels and as a function of the...

#### Claims:

...in each frame, said display controller comprising, frame means for establishing a number of sequential frames as a frame set, data means for providing the data value of each of said pixels in the array to define...

...for modulating the data values of pixels with said patterns whereby the intensity level of said pixels over said number of sequential frames is controlled as a function of the data value of the pixels and as...

? t21/9/1

21/9/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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08197895 \*\*Image available\*\*  
WINDOW STACK CONTROL METHOD

PUB. NO.: 2004-310655 [JP 2004310655 A]  
PUBLISHED: November 04, 2004 (20041104)  
INVENTOR(s): NADAMOTO YUJI  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD  
APPL. NO.: 2003-106393 [JP 2003106393]  
FILED: April 10, 2003 (20030410)  
INTL CLASS: G06F-003/14

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a window stack control method by which another application does not improperly affect window display of an application displaying a window on the forefront surface as window stack control.

SOLUTION: When controlling window stack for managing superposition of windows in displaying a plurality of windows on a display device from a computer, an application program specifies groups to the windows and a window management program makes a stack order of the windows into a series for each group.

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? t21/69/4

21/69/4 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2007 The Thomson Corporation. All rts. reserv.

0014576119 - Drawing available  
WPI ACC NO: 2004-758080/200474  
XRPX ACC No: N2004-598656

Window stack control method for display device in mobile telephone, involves summarizing order of stacking of window so that it becomes a series for each group when receiving display requirement and displaying the window

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); NADAMOTO Y (NADA-I)

Inventor: NADAMOTO Y

Patent Family (6 patents, 107 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2004090712	A1	20041021	WO 2004JP4414	A	20040329	200474 B
JP 2004310655	A	20041104	JP 2003106393	A	20030410	200474 E
EP 1617323	A1	20060118	EP 2004724165	A	20040329	200606 E
			WO 2004JP4414	A	20040329	
US 20060190838	A1	20060824	WO 2004JP4414	A	20040329	200656 E
			US 2005550728	A	20050926	
KR 2006002964	A	20060109	WO 2004JP4414	A	20040329	200659 E
			KR 2005719181	A	20051007	
CN 1771475	A	20060510	CN 200480009443	A	20040329	200663 E

Priority Applications (no., kind, date): JP 2003106393 A 20030410

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2004090712	A1	JA	95	31	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW  
BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX  
MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT  
TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES  
FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK  
SL SZ TR TZ UG ZM ZW

JP 2004310655 A JA 30

EP 1617323 A1 EN

PCT Application WO 2004JP4414

Based on OPI patent WO 2004090712

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI  
FR GB GR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

US 20060190838 A1 EN

PCT Application WO 2004JP4414

KR 2006002964 A KO

PCT Application WO 2004JP4414

Based on OPI patent WO 2004090712

#### Alerting Abstract WO A1

NOVELTY - The method involves receiving the designation of group of window from an application program followed by reception of display requirement. The order of stacking of window is summarized so that it becomes a series for each group when receiving the display requirement and displaying the window.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.window management program; and
- 2.window management apparatus.

USE - For controlling stacking or overlaying of window on display device of mobile telephone, personal digital assistant (PDA). It is also applicable for window display of workstation and domestic computer using cathode ray tube monitor and liquid crystal monitor.

ADVANTAGE - Prevents the effect of window display by an application displaying a window on the top from being accidentally influenced by another application.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of window stack control apparatus. (Drawing includes non-English language text).

- 1 screen
- 12 window system
- 101-103 application programs

Title Terms/Index Terms/Additional words: WINDOW; STACK; CONTROL; METHOD;  
DISPLAY; DEVICE; MOBILE; TELEPHONE; SUMMARY; ORDER; SO; SERIES ; GROUP;  
RECEIVE; REQUIRE

#### Class Codes

International Classification (Main): G06F-003/14

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0003/00	A	I	F	B	20060101
G06F-0003/14	A	I		R	20060101
G06F-0003/14	A	I	F	B	19981228
G06F-0009/00	A	I	F	B	20060101
G09G-0005/14	A	I		R	20060101
G09G-0005/14	A	I	L	B	19900101
G06F-0003/14	A	I	F		20060101
G09G-0005/14	A	I	L		20060101
G06F-0003/14	C	I		R	20060101
G09G-0005/14	C	I		R	20060101

US Classification, Issued: 715781000

File Segment: EngPI; EPI;

DWPI Class: T01; T04; W01; P85



Manual Codes (EPI/S-X): T01-C04; T01-J12B1; T01-M06A1A; T01-S03; T04-H01;  
T04-H03C2; W01-C01B3; W01-C01D3C; W01-C01Q  
? t21/69,k/9

21/69,k/9 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0007321411

WPI ACC NO: 1995-384390/199550

SRPX ACC No: N1995-281570

Image processing appts. for editing dynamic image e.g. video image -  
classifies image data group in accordance with characteristics of image  
data and performs hierarchical display of set in accordance with  
relationship stored in memory

Patent Assignee: CANON KK (CANO)

Inventor: OKAZAKI H; ONO E

Patent Family (7 patents, 5 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 682324	A2	19951115	EP 1995302980	A	19950502	199550	B
JP 7303234	A	19951114	JP 199494606	A	19940509	199603	E
EP 682324	A3	19961030	EP 1995302980	A	19950502	199649	E
EP 682324	B1	20011114	EP 1995302980	A	19950502	200175	E
DE 69523813	E	20011220	DE 69523813	A	19950502	200207	E
			EP 1995302980	A	19950502		
JP 3320197	B2	20020903	JP 199494606	A	19940509	200264	E
US 6633308	B1	20031014	US 1995432717	A	19950502	200368	E

Priority Applications (no., kind, date): EP 1995302980 A 19950502; JP  
199494606 A 19940509

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 682324	A2	EN	22	17	
Regional Designated States,Original: DE FR GB IT NL					
JP 7303234	A	JA	1		
EP 682324	A3	EN			
EP 682324	B1	EN			
Regional Designated States,Original: DE FR GB IT NL					
DE 69523813	E	DE			Application EP 1995302980 Based on OPI patent EP 682324
JP 3320197	B2	JA	10		Previously issued patent JP 07303234

#### Alerting Abstract EP A2

The appts. has a memory for classifying the image data group into a  
number of seats in accordance with characteristics of the image data and  
storing a relationship between the classified sets. A display performs a  
hierarchical display of the sets of the image data in accordance with the  
relationship stored in the memory.

Editing of the image data group is designated in units of the sets. The  
image data group is stored in a memory medium.

ADVANTAGE - Allows user to easily perform dynamic image editing.

Title Terms/Index Terms/Additional words: IMAGE; PROCESS; APPARATUS; EDIT;  
DYNAMIC; VIDEO; CLASSIFY; DATA; GROUP; ACCORD; CHARACTERISTIC;  
PERFORMANCE; HIERARCHY; DISPLAY; SET; RELATED; STORAGE; MEMORY

#### Class Codes

International Classification (Main): G06F-003/00, G06T-017/40, H04N-005/91  
(Additional/Secondary): G06T-013/00, G06T-015/70, G11B-027/00  
US Classification, Issued: 345723000, 345853000

File Segment: EPI;  
DWPI Class: T01; W04

Manual Codes (EPI/S-X): T01-C02B1A; T01-C04A; T01-J05B2; T01-J10B1; W04-H05  
; W04-N05

#### Original Publication Data by Authority

#### Claims:

...An image processing apparatus comprising: means (62) for storing a time sequential series of frames, each frame comprising image data; means (26) for classifying said image frames of said time sequential series into sets according to a hierarchical structure having at least upper and lower hierarchical levels of sets, each of said lower level hierarchical sets comprising a plurality of image frames and each of said upper level hierarchical sets comprising a plurality of lower hierarchical sets; output means (28) for outputting to a display device information indicative of said lower hierarchical sets and said upper hierarchical sets; designating means (10, 12, 18) for designating a displayed lower hierarchical set or a displayed upper hierarchical set; <b>characterised in that</b> the apparatus further comprises: edit designating means (20) for designating a...

...wherein said edit designating means are adapted to designate a destination within a time sequential series of frames classified into sets according to the hierarchical structure, and said processing means are adapted to insert said designated set or said copy as a set into a hierarchical level of said destination series of frames so that that set forms one of the sets of that hierarchical level.

Appareil de traitement d'image, comprenant: un moyen (62) pour stocker des series sequentielles temporelles de trames, chaque trame comprenant des donnees d'image; un moyen (26) pour classer lesdites trames d'image desdites series sequentielles temporelles en series conformes a une structure hierarchique ayant au moins des niveaux hierarchiques superieur et inferieur de series, chacune desdites series hierarchiques de niveau inferieur comprenant une pluralite de trames d'image et chacune desdites series hierarchiques de niveau superieur comprenant une pluralite de series hierarchiques inferieures; un moyen (28) de sortie pour delivrer a un dispositif d'affichage une information indicatrice desdites series hierarchiques inferieures et desdites series hierarchiques superieures; un moyen (10, 12, 18) de designation pour designer une serie hierarchique inferieure affichee ou une serie hierarchique superieure affichee; <b>caracterise en ce que</b> l'appareil comprend en outre: des moyens (20) de designation d'edition pour designer une destination pour la serie designee ou une copie de la serie designee; et des moyens (24, 26) de traitement pour deplacer lesdites trames de ladite serie designee ou ladite copie de la serie designee vers ladite destination designee, dans lequel lesdits moyens de designation ...

...sont aptes a designer une destination dans une serie sequentielle temporelle de trames classees en series conformes a la structure hierarchique, et lesdits moyens de traitement sont aptes a inserer ladite... ladite serie de trames de destination, de telle sorte que cette serie forme l'une des series de ce niveau hierarchique...

.....image display means for displaying one or more moving images used as an editing source by a hierarchical structure of a representative screen image of each of plural scenes; duplicating means  
?

Titles of most frequently occurring classifications of patents returned  
from a search of 10550728 on Aug 07 , 2007

6 712/217 (2 OR, 4 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/216 .DYNAMIC INSTRUCTION DEPENDENCY CHECKING, MONITORING OR  
CONFLICT RESOLUTION  
712/217 ..Scoreboarding, reservation station, or aliasing

5 712/E9.049 (0 OR, 5 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/E9.001 .ARRANGEMENTS FOR PROGRAM CONTROL, E.G., CONTROL UNIT (EPO)  
712/E9.003 ..Using stored program, i.e., using internal store of  
processing (EPO)  
712/E9.016 ...Arrangements for executing machine-instructions, e.g.,  
instruction decode (EPO)  
712/E9.045 ....Concurrent instruction execution, e.g., pipeline, look  
ahead (EPO)  
712/E9.049 .....Instruction issuing, e.g., dynamic instruction  
scheduling, out of order instruction execution (EPO)

5 712/218 (0 OR, 5 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/216 .DYNAMIC INSTRUCTION DEPENDENCY CHECKING, MONITORING OR  
CONFLICT RESOLUTION  
712/218 ..Commitment control or register bypass

4 712/23 (3 OR, 1 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/1 .PROCESSING ARCHITECTURE  
712/23 ..Superscalar

4 712/E9.046 (0 OR, 4 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/E9.001 .ARRANGEMENTS FOR PROGRAM CONTROL, E.G., CONTROL UNIT (EPO)  
712/E9.003 ..Using stored program, i.e., using internal store of  
processing (EPO)  
712/E9.016 ...Arrangements for executing machine-instructions, e.g.,  
instruction decode (EPO)  
712/E9.045 ....Concurrent instruction execution, e.g., pipeline, look  
ahead (EPO)  
712/E9.046 .....Data or operand accessing, e.g., operand prefetch,  
operand bypass (EPO)

4 712/215 (0 OR, 4 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/214 .INSTRUCTION ISSUING  
712/215 ..Simultaneous issuance of multiple instructions

4 428/40.1 (2 OR, 2 XR)  
Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
428/40.1 .LAYER OR COMPONENT REMOVABLE TO EXPOSE ADHESIVE

4 712/E9.047 (0 OR, 4 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)

712/E9.001 .ARRANGEMENTS FOR PROGRAM CONTROL, E.G., CONTROL UNIT (EPO)  
 712/E9.003 ..Using stored program, i.e., using internal store of  
 processing (EPO)  
 712/E9.016 ...Arrangements for executing machine-instructions, e.g.,  
 instruction decode (EPO)  
 712/E9.045 ....Concurrent instruction execution, e.g., pipeline, look  
 ahead (EPO)  
 712/E9.046 .....Data or operand accessing, e.g., operand prefetch,  
 operand bypass (EPO)  
 712/E9.047 .....Operand prefetch, e.g., prefetch instruction, address  
 prediction (EPO)

3 428/432 (0 OR, 3 XR)

Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/411.1 .COMPOSITE (NONSTRUCTURAL LAMINATE)  
 428/426 ..Of quartz or glass  
 428/432 ...Next to metal or compound thereof

3 428/426 (0 OR, 3 XR)

Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/411.1 .COMPOSITE (NONSTRUCTURAL LAMINATE)  
 428/426 ..Of quartz or glass

3 712/E9.025 (0 OR, 3 XR)

Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
 712/E9.001 .ARRANGEMENTS FOR PROGRAM CONTROL, E.G., CONTROL UNIT (EPO)  
 712/E9.003 ..Using stored program, i.e., using internal store of  
 processing (EPO)  
 712/E9.016 ...Arrangements for executing machine-instructions, e.g.,  
 instruction decode (EPO)  
 712/E9.023 ....Register arrangements, e.g., register files, special  
 registers (EPO)  
 712/E9.025 .....Register structure, e.g., multigauged registers (EPO)

3 428/41.7 (1 OR, 2 XR)

Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/40.1 .LAYER OR COMPONENT REMOVABLE TO EXPOSE ADHESIVE  
 428/41.7 ..Protective layer

3 296/95.1 (0 OR, 3 XR)

Class 296 LAND VEHICLES: BODIES AND TOPS  
 296/1.01 .BODIES  
 296/77.1 ..Storm-front shield, apron, or robe  
 296/84.1 ...Windshield  
 296/95.1 ....Auxiliary protector

3 257/E21.682 (0 OR, 3 XR)

Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE  
 DIODES)  
 257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR  
 TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)  
 257/E21.532 ..Manufacture or treatment of devices consisting of  
 plurality of solid-state components formed in or on common substrate or of parts  
 thereof; manufacture of integrated circuit devices or of parts thereof (EPO)  
 257/E21.598 ...Manufacture or treatment of devices consisting of  
 plurality of solid-state components or integrated circuits formed in, or on, common  
 substrate (EPO)  
 257/E21.599 ....With subsequent division of substrate into plural  
 individual devices (EPO)  
 257/E21.602 .....To produce devices each consisting of plurality of  
 components, e.g., integrated circuits (EPO)  
 257/E21.606 .....Substrate being semiconductor, using silicon

technology (EPO)

257/E21.615 .....Field-effect technology (EPO)  
 257/E21.616 .....MIS technology (EPO)  
 257/E21.646 .....Dynamic random access memory structures (DRAM)

(EPO)

257/E21.662 .....Read-only memory structures (ROM), i.e.,  
 nonvolatile memory structures (EPO)  
 257/E21.68 .....Electrically programmable (EPROM), i.e., floating  
 gate memory structures (EPO)  
 257/E21.681 .....With conductive layer as control gate (EPO)  
 257/E21.682 .....With source and drain on same level and without  
 cell select transistor (EPO)

3 712/E9.05 (0 OR, 3 XR)

Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
 712/E9.001 .ARRANGEMENTS FOR PROGRAM CONTROL, E.G., CONTROL UNIT (EPO)  
 712/E9.003 ..Using stored program, i.e., using internal store of  
 processing (EPO)  
 712/E9.016 ...Arrangements for executing machine-instructions, e.g.,  
 instruction decode (EPO)  
 712/E9.045 ....Concurrent instruction execution, e.g., pipeline, look  
 ahead (EPO)  
 712/E9.049 .....Instruction issuing, e.g., dynamic instruction  
 scheduling, out of order instruction execution (EPO)  
 712/E9.05 .....Speculative instruction execution, e.g., conditional  
 execution, procedural dependencies, instruction invalidation (EPO)

3 712/E9.023 (0 OR, 3 XR)

Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
 712/E9.001 .ARRANGEMENTS FOR PROGRAM CONTROL, E.G., CONTROL UNIT (EPO)  
 712/E9.003 ..Using stored program, i.e., using internal store of  
 processing (EPO)  
 712/E9.016 ...Arrangements for executing machine-instructions, e.g.,  
 instruction decode (EPO)  
 712/E9.023 ....Register arrangements, e.g., register files, special  
 registers (EPO)

3 715/791 (1 OR, 2 XR)

Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/781 ...Window or viewpoint  
 715/788 ....Layout modification (e.g., move or resize)  
 715/790 .....Overlap control  
 715/791 .....Always on top

3 715/807 (1 OR, 2 XR)

Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/781 ...Window or viewpoint  
 715/806 ....Window memory structure  
 715/807 .....Stored priority attribute

2 428/336 (1 OR, 1 XR)

Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/221 .WEB OR SHEET CONTAINING STRUCTURALLY DEFINED ELEMENT OR  
 COMPONENT  
 428/332 ..Physical dimension specified

- 428/334 ...Coating layer not in excess of 5 mils thick or equivalent  
 428/335 ....Up to 3 mils  
 428/336 .....1 mil or less
- 2 359/580 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/577 .LIGHT INTERFERENCE  
 359/580 ..Produced by coating or lamina
- 2 428/701 (0 OR, 2 XR)  
 Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/411.1 .COMPOSITE (NONSTRUCTURAL LAMINATE)  
 428/688 ..Of inorganic material  
 428/689 ...Metal-compound-containing layer  
 428/699 ....Next to second metal-compound-containing layer  
 428/701 .....O-containing metal compound
- 2 428/433 (0 OR, 2 XR)  
 Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/411.1 .COMPOSITE (NONSTRUCTURAL LAMINATE)  
 428/426 ..Of quartz or glass  
 428/432 ...Next to metal or compound thereof  
 428/433 ....Alloy or free metal
- 2 359/582 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/577 .LIGHT INTERFERENCE  
 359/580 ..Produced by coating or lamina  
 359/582 ...Layer having specified nonoptical property
- 2 359/359 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/350 .HAVING SIGNIFICANT INFRARED OR ULTRAVIOLET PROPERTY  
 359/359 ..Multilayer filter or multilayer reflector
- 2 715/835 (0 OR, 2 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/810 ...Menu or selectable iconic array (e.g., palette)  
 715/835 ....Selectable iconic array
- 2 715/840 (0 OR, 2 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/810 ...Menu or selectable iconic array (e.g., palette)  
 715/840 ....Using button array
- 2 715/804 (1 OR, 1 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/781 ...Window or viewpoint  
 715/804 ....Interwindow link or communication
- 2 710/300 (1 OR, 1 XR)  
 Class 710 ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS:  
 INPUT/OUTPUT  
 710/100 .INTRASYSTEM CONNECTION (E.G., BUS AND BUS TRANSACTION

## PROCESSING)

710/300 ..Bus expansion or extension

2 118/723MW (1 OR, 1 XR)  
 Class 118 COATING APPARATUS  
 118/715 .GAS OR VAPOR DEPOSITION  
 118/722 ..With treating means (e.g., jarring)  
 118/723R ...By creating electric field (e.g., gas activation, plasma,  
 etc.)  
 118/723MW ....Microwave gas energizing means (e.g., 2.45 gigahertz,  
 microwave plasma, etc.)

2 428/202 (0 OR, 2 XR)  
 Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/98 .STRUCTURALLY DEFINED WEB OR SHEET (E.G., OVERALL DIMENSION,  
 ETC.)  
 428/195.1 ..Discontinuous or differential coating, impregnation or  
 bond (e.g., artwork, printing, retouched photograph, etc.)  
 428/201 ...Intermediate layer is discontinuous or differential  
 428/202 ....With outer strippable or release layer

2 428/203 (0 OR, 2 XR)  
 Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/98 .STRUCTURALLY DEFINED WEB OR SHEET (E.G., OVERALL DIMENSION,  
 ETC.)  
 428/195.1 ..Discontinuous or differential coating, impregnation or  
 bond (e.g., artwork, printing, retouched photograph, etc.)  
 428/201 ...Intermediate layer is discontinuous or differential  
 428/203 ....Translucent outer layer

2 428/41.8 (1 OR, 1 XR)  
 Class 428 STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
 428/40.1 .LAYER OR COMPONENT REMOVABLE TO EXPOSE ADHESIVE  
 428/41.8 ..Release layer

2 438/261 (1 OR, 1 XR)  
 Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
 438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS  
 SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE  
 REGIONS  
 438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)  
 438/257 ...Having additional gate electrode surrounded by dielectric  
 (i.e., floating gate)  
 438/261 ....Multiple interelectrode dielectrics or nonsilicon  
 compound gate insulator

2 438/264 (1 OR, 1 XR)  
 Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
 438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS  
 SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE  
 REGIONS  
 438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)  
 438/257 ...Having additional gate electrode surrounded by dielectric  
 (i.e., floating gate)  
 438/264 ....Tunneling insulator

2 712/247 (0 OR, 2 XR)  
 Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
 712/220 .PROCESSING CONTROL  
 712/245 ..Processing sequence control (i.e., microsequencing)  
 712/247 ...Multilevel microcontroller (e.g., dual-level control  
 store)

2 712/235 (0 OR, 2 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/220 .PROCESSING CONTROL  
712/233 ..Branching (e.g., delayed branch, loop control, branch  
predict, interrupt)  
712/234 ...Conditional branching  
712/235 ....Simultaneous parallel fetching or executing of both  
branch and fall-through path

2 712/202 (1 OR, 1 XR)  
Class 712 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING (E.G., PROCESSORS)  
712/200 .ARCHITECTURE BASED INSTRUCTION PROCESSING  
712/202 ..Stack based computer